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# NUMBERS & ODDITIES #
//////////////////////////////////// \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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-
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-
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- http://www.spynumbers.com/numbersDB/ -
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-::: N&O #53, September 2002 :::-

* VOICE STATIONS *

::: E03

Lincolnshire Poacher's idents
first half of September

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	28115	28115	28115	28115	28115	28115	28115	1200
1300	46797	46797	46797	46797	46797	46797	46797	1300
1400	01842	45506	34739	52365	28115	48146	00308	1400
1500	00308	01842	45506	34739	52365	28115	68356	1500
1600	68356	00308	01842	45506	34739	52365	48146	1600
1700	48146	68356	00308	01842	45506	34739	28115	1700
1800	28115	48146	68356	00308	01842	45506	52365	1800
1900	52365	46797	48146	46797	00308	01842	46797	1900
2000	46797	28115	46797	68356	46797	00308	34739	2000
2100	34739	52365	28115	48146	68356	46797	45506	2100
2200	45506	34739	52365	28115	48146	68356	01842	2200

Second half of the month:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	88832	88832	88832	88832	88832	88832	88832	1200
1300	42229	42229	42229	42229	42229	42229	42229	1300
1400	34550	79888	20915	16451	88832	62690	05351	1400
1500	05351	34550	79888	20915	16451	88832	88687	1500
1600	88687	05351	34550	79888	20915	16451	62690	1600
1700	62690	88687	05351	34550	79888	20915	88832	1700
1800	88832	62690	88687	05351	34550	79888	16451	1800
1900	16451	42229	62690	42229	05351	34550	42229	1900
2000	42229	88832	42229	88687	42229	05351	20915	2000
2100	20915	16451	88832	62690	88687	42229	79888	2100
2200	79888	20915	16451	88832	62690	88687	34550	2200

[source: Al Kruse]

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::: E04

I noticed a slight difference in Cherry Ripe's schedule:

1000 UTC, 20474//23461 kHz
1100 UTC, 18864//23461 kHz
1200 UTC, 18864//23461 kHz
1300 UTC, 18864//23461 kHz (was 21866)
2200 UTC, 18864//24644 kHz
2300 UTC, 18864//21866 kHz
0000 UTC, 18864//21866 kHz
0100 UTC, 19884//21866 kHz

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::: E05

The Counting Station was VERY active in September. Check the N&O website for the latest schedules. <http://home.luna.nl/~ary>
Look on "what's new / news flash"

Idents noted: 143, 221, 228, 246, 271, 311, 317, 325, 333, 368, 385, 397, 432, 517, 780, 907.

221, 228 and 246 were the top scorers this month.

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::: E10

Only a few oddities noticed at the time of writing:

- "FDU M" on 6 September, 2214 UTC on 4418 kHz.

26 September was a busy day for our friends:

- 2000 UTC "CIO 30" on 4360//5339//7812 kHz
- 2130 changed to "CIO 10"
- 2345 switched to "CIO 97Z6"
- 2000 "VLB 30" on 4015//5170//6930 kHz
- 0000 (27-9) switched to "VLB 10"

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::: E18

E18 was heard by Gert on 11 September at 2100 UTC on 6545 kHz LSB:
"269 - nr 183 gc 20 = 47770"

I haven't seen any other reports.

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::: G04

Not often reported these days, but it is still active. Heard by Paul, Captain Davros and AF on 5 September at 2000 UTC on 4760 kHz and 2030 UTC on 4860 kHz.

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::: G22

Miss Edna Sednitzer, a.k.a. G22 is another station that was more active in the past than it is now. Heard by Gert on 19 September at 2200 UTC on 5119 kHz.

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::: V13

I haven't heard New Star / Star Star for a while myself, but Asian monitors have logged the station on 8300, 9725, 9870, 11430, 13750, 15260 and 15388 kHz.

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::: V21

Just before WUN's deadline, Al checks in with a "Cuban Babbler" log. Al snagged his first daytime Babbler transmission on Monday 23-9 at 1235 UTC on 6529 kHz USB. Other times to try for this odd station are between 2200 and 2400 UTC. 6529 kHz seems to be the most popular freq.

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::: CHINESE ROBOT

Robert Fei reports that the Chinese Robot girl uses the following frequencies: 4480, 5700, 6840, 6860, 7090, 7770, 8025, 9290, 9340 kHz.

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::: RUSSIAN MALE

S06 or S07? reported on 7010 kHz "978", no time and date given ("last month") and on 10898 kHz at 0100 UTC on 8 August "569". No further details.

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::: NEW STATION?

Tom enters the hall of fame with his discovery of a Russian(?) station that appeared on 6945 kHz at 0150 UTC on various nights in September. Reports and recordings are most welcome!

Here is Tom's story:

"I was tuning across the pirate band last night and I heard a strong carrier on 6945 around 0151z. All of a sudden this female robot voice came on reading off blocks of numbers. It wasn't V2 because it was not Spanish, I couldn't identify the language.

Format was sort of like this:

- 1 group of 3 numbers repeated 3 times
- 1 group of 3 numbers repeated 4 times
- 1 group of 2 numbers repeated 1 time

After this was repeated again and again, the "message" begun. Not sure if my format is correct but I have absolutely no clue what this was. I came across it by accident. I believe I heard something like "konec konec konec" repeated after the message.

And here's a weird thing..... after the message ended there was a long carrier for about an hour that remained. On 6944 there must of been a band opening because there was some sort of Spanish broadcast station fading in and with it came V2, it faded back out quickly and it was gone."

At the time of writing there is still a discussion going on who this is. Is it S17c, or S10d, or...? Maybe more news next month.

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::: RUSSIAN MILITARY

On 16 September at ca 2100 UTC, I heard a Russian military station on 7838 kHz for more than an hour reading coded messages. In between

the messages the female operators were chatting with each other.

I sent Igor a sample and asked him if he could translate it for me.
BTW, the sound sample (7838.zip) can be downloaded from the N&O website. This is the translation of the recording:

"... U X*SBS PIEBO J~MUN ODMUP YT*YF JSQXQ = NCWIT ONBCA"

U - Uliana
X - Znak (accent letter)
Y - Ery (accent letter)
* - Yakov (accent letter Ya)
~ - Yuri (accent letter Yu)
S - Semen
P - Pavel
I - Igo
B - Boris
O - Ol'ga
M - Maria
N - Nicolay
Q - Schuka
C - Tsaplya
W - Vera
T - Tatiana
D - Dmitriy
J - Kratkiy / or Ivan Kratkiy / (accent letter)
F - Fedor
= - Razdel (means 'bt' in cw)

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::: WBNY - VOICE OF THE RODENT REVOLUTION

The last message that was heard from the Voice of the Rodent Revolution is from 31-8 or 1-9 on 6950 kHz, after that the station hasn't been heard. Busted or just it's period of silence?

The message was a grim one and for a number of people this was more than a bad joke. The transmission included as usual the song Peter Cottontail and this time the announcer wasn't Commander Bunny but Melvin Mouse, Commander of the FRN destruction forces of the Rodent Revolution. As you may know, the website of the Free Radio Network was down for a while and Melvin states that they had destroyed the FRN and read out a new message. The message was repeated three times.

21	14	14	9	23	15	12
17	17	1	20	18	19	9
4	8	5	8	17	8	4

18 5 14 20 18 8

Special instructions (2x)

2 12 19 34 dot 5710

2 14 13 83 dot 4824

Which translates as:

WOODY PARR MUST DIE

HERE IS HOUSE

LAT 34.5710 LON 83.4824

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: M16

Our French friends "8BY" are daily active on these frequencies: 7668, 10248, 14930, 18415 and 20945 kHz with the well known messages such as "VVV 8BY 629/401/146/014/967/476/784".

A number of transmissions have been analysed by pro's (thanks OM!) and they come up with the following suggestions:

14930 kHz, 1100-1200 UTC. Propagation analysis suggests that the agent is in Eastern China/Japan.

14930 kHz, 2230-2300 UTC. Propagation analysis indicates W. Africa or Northern half of S. America for agent location.

14930 kHz, 2130-2200 UTC. Propagation analysis indicates agent's location in southern part of W. Africa.

20945 kHz, 1730-1800 UTC. Propagation analysis suggests path to agent in Southeast Asia.

20945 kHz, 1230-1300 UTC. Propagation analysis indicates agent likely in Iran/India area.

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::: M18

Heard on 4503 kHz by Takashi. M18's signal sometimes makes it to Europe and I expect to hear it more often during the winter.

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::: M22

Israeli Navy in Haifa (callsign 4XZ) was active on the following frequencies: 4241, 4331, 5159, 6379, 8193, 10046, 12984, 13892, 14495, 15878, 18329 kHz.

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::: M23

I tried to compile a M23 schedule but I probably missed a number of schedules. Corrections and amendments are most welcome.

Sun	0100	11170//14329	310
Sun	0130	10870//13400	555
Sun	0200	7960	310
Sun	1500	14750	310
Sun	1530	14750	000
Sun	1700	14320	310
Sun	1730	13400	555
Mon	0600	7500	555
Tue	2030	9160	555
Wed	2000	9230	160
Wed	2030	9160	555
Thu	0100	11170//14320	310
Thu	0130	10870//13400	555
Thu	0200	7960	310
Thu	2030	9160	555
Fri	0100	11170//14320	310
Fri	0130	10870//13400	555
Fri	0200	7960	310
Sat	0100	11170//14320	310
Sat	0200	7960	310
Sat	0330	14920	000
Sat	0530	9160	555 (tentative M23)
Sat	1530	14750	000
Sat	1700	11170//14320	310
Sat	2030	9160	555

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::: MX

Although not as active as in the past, there is still some activity. "S" seems to be the most active cluster beacon in the western part of Russia and "F" in the eastern part. Channel markers "L" and "R" are

daily guests.

"C", Moscow, 4558, 5154, 7039, 8495, 10872, 13528, 16332, 20048

"F", Vladivostok, 7000.2, 7039.2

"K", Petropavlovsk Kamchatskiy, 7039

"L", St. Petersburg, 3335.7, 3339.6, 3345

"R", Izhevsk, 3195, 5465

"P", Kaliningrad, 3772

"S", Arkhangelsk, 4557.9, 5153.9, 7038.9, 10871.9, 13527.9, 16331.9,
20047.9

"V", Khiva, 3658

"HP", a probably defective beacon was on 4558 kHz, and copied by
Takashi.

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::: CHINESE MILITARY STATIONS

L9CC: 9266.5, 9436.9 kHz

L4FC: 9343.5 kHz

NH8T: 7300, 7310 kHz

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::: CZECH MILITARY STATIONS

CH8N: 4766, 5011 kHz. Heard from 0415-1930 UTC

S8BD: 3337 kHz

U4NP: 4902 kHz. Heard from 0415-1830 UTC

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::: RUSSIAN MILITARY STATIONS

Flash messages sent by the Russian forces:

7018 kHz "XXXX XXXX UUUUUU 10890 SWINOWOJ 4501 2086 K"

18.1 kHz; c/s RDL. CIS MIL HQ Moscow

"XXX XXX RDL RDL 56575 50510 KAKOHLOR 4098 1165 SOIMONIT 7125 9298
AKUNDAROL 5202 1602 K"

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::: M21 PROFILE

Sources:

Federation of American Scientists, RIA Novosti, various WUN members and other friends who want to remain anonymous.

Colonel Alexander Drobyshevsky told RIA Novosti that the Russian Air Defense has tracked 102,288 airborne targets in 2001, amongst them were 58,240 foreign aircraft, including 861 fighters and 297 reconnaissance aircraft. Russia's air space has been violated 325 times last year.

- Background info

Shortly after World War II, Protivo Vozdushnoy Oborony (PVO) became a separate branch of the Soviet armed forces. PVO can be translated as Anti-Aircraft Defense.

After various minor changes, a major reorganization of the Soviet Air Force and Air Defence Forces took place between 1978 and 1980. PVO was reorganized in 1981 and its name was changed to Voyska PVO (Air Defense Troops). The Voyska PVO lost its separate command and control system in the reorganization and about half of the fighters and the majority of the flying training system was transferred to the Air Force.

As a part of a drastic reorganization in 1998, the Air Defense Force was merged with the Air Force. There are now PVO units with Head Quarters in St.Petersburg (St. Petersburg Military District), Rostov-on-Don (Caucasus Military District), Chita (Siberian/Trans Baikal Military District), and Khabarovsk (Far East Military District). The Moscow Military District has a mixed Air Force/PVO corps.

In the mid 1990's, Voyska PVO operated 20 Il-76 aircraft configured for airborne early warning and command and control, 380 MiG-23 and L-39 aircraft. It's troops manned ca 12,000 missile launchers at 1,400 sites in the USSR. The estimated numbers now are ca 2,400 launchers in some 250 sites in Russia.

Radio technical troops operate thousands of air surveillance, early warning, height finding, and fire control radars. They also man 6 large phased-array radars for ballistic missile detection.

Note:

In the past the air defense systems of the other Warsaw Pact countries were integrated in the Soviet network.

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- Voice Stations

One of our correspondents in Japan reports lots of activity of the Russian Air Defense Networks.

Frequencies are: 4144, 4800.5, 5190, 5293, 5680, 5696, 5899, 6195, 6268, 6593, 6864, 7211 kHz.

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- Morse Stations

Frequencies change often and a large number of them have been used during the past few years. Here is a compilation of the past two years.

2278	2317	2718	3213	3228.5	3271	3281	3314.5
3361	3363	3386	3430	3651	3802	3838	4013
4014	4015	4032	4071.5	4091.5	4096	4505	4552.5
4558	4559	4560	4574	4631.5	4802	4868	4885
4951.5	5015.5	5053	5141.5	5154	5181	5195	5201
5205	5221.5	5304	5313	5315	5367.5	5371	5372
5690	5730	5731.5	5752	5784	5788	5820	5872.9
5873	5877	5880	5920	5921.5	6218.5	6293	6321.5
6330	6864.5	6906.5	6979.5	6987	7071	7088	7095
7311.5	7373	7633	7857	7890	7910	7913.5	7950
7987	8104	8156	8701	8703	9164	9951.5	11096 kHz

Most of the tracking is satellite based now. Most but not all....
The morse stations that we can hear on HF proof that there is still some terrestrial activity. The HF morse systems are partly used as a backup for the satellite systems and, according to one source, they are also used for training purposes. Indeed, if you want to keep radar people on the ground up to scratch, this kind of reporting gets in a LOT of training for a lot of people (including morse).

During the cold war NATO used to fly aircraft parallel to the then Soviet Union borders to deliberately prod the radar tracking stations into activity. This was a good means of quickly recovering grid number changes in the plot messages that the tracking stations transmitted. This gave the NATO monitors a chance to figure out where to start. "How?", you say? Well actually it is not so difficult as it looks like.

Say you find a lot of tracks starting and finishing in the same place, then obviously there is an airfield there. From there it is just a matter of identifying which airfield. Once you have that, you have a fair idea where to start building your grid. Always a good place to start in the old days was Sheremetyevo Airfield in Moscow; callsign

RFNV, on 11312 kHz. It is still there, and still active, though mostly on voice now. However, they famously give a weather at Hour+10 and Hour+40. It was a good station to keep an eye on because of all the aircraft were using it.....and as lucky aside, the Russian Long Range Bomber Force flew exercises on Tuesdays and Thursdays and some of them could be counted on to talk to RFNV.

Later on, the Soviets modernized their equipment which implied that the number of morse and voice transmissions decreased substantially. The new equipment had NATO designation G3C, or SWAMP. This system worked on the principle that the radar operator simply put a light pen on the trace on his radar screen, and this was automatically transformed into a signal that gave the same information as a manual plot, but much faster. It was read automatically by the controlling station and again, plotted automatically on a master screen. Thus the controlling station had a very quick overall view of the sector it was responsible for. The signal was roughly built up as shown in the attached plot1.jpg.

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- The morse plots explained.

Note: zero is transmitted as 'T'.

In the Soviet days the messages were longer than they are now, namely 22 characters vs 15 characters now. This automatically means that the layout of the message is now different than back in the yesteryears.

In the past you sometimes had to wait quite a while before you could copy a complete plot. This was caused by the fact that the info in the messages was shortened after it had been sent a couple of times. The first plot messages consisted of a number of codes representing:

- tracking station
- track number
- 7-digit grid
- identification (friend, foe, unknown, and other designations)
- flight level in hectometres
- time

Each track report starts with =00.

- EXAMPLES (see also plot2.jpg)

First an oldie:

= 00 1234 7214328 71 10 2315
= 1234 14329 16
= 1235 14329 16
= 34 14324 17
= 35 14324 17

The initial track report is signified by the "00". The track is designated by the particular tracking station (12) and by track (34 and 35). The track is identified initially as unknown (71), it is flying at a height of 10,000 hectometres (10), and plot is timed at 2315 local time.

In the next two lines, the full track idents are given, but to speed things up, the major and minor square numbers are dropped, as is height info.

In the next two lines, the tracks are abbreviated to just the track numbers, the minimum grid information, and the minutes part of the time.

Lots of variations have been used over the years. For instance, plots on busy stations being given as just the last two digits. Hostile, friendly, passenger. They used a number of digraphs, enough to cover just about every flying object.

Obviously it's an inefficient method of tracking, but it worked well enough to see Gary Powers shot down. It is said that the system is accurate down to about 1 kilometre. For security, once or twice a week the numbers of all the major, minor, and sub-minor squares are changed.

Now the modern 15-character messages. The samples were all logged during the past year. The main difference is that they don't start with =00 anymore. Also missing is the code for "friend or foe". The codes for the tracking station (2 digits), track code (3 digits), grid (7 digits), and the time (2 digits, minutes only) are still there. The altitude also does not appear anymore in the morse version, but can still be heard on the voice channels.

```
= 13 209 8131342 24
= 13 209 8134366 25
= 13 641 1765134 20
= 23 643 9010700 30
= 43 209 02245?? 29
= 10 117 1156181 52
= 41 351 13514?? ??
= 10 478 5410481 46
= 20 207 5011009 08
```

In between the track reports the PVO stations send time stamp messages. I am not sure what their purpose exactly is. Possibly nothing more than a station id plus the current Moscow time (UTC+3 or UTC+4). Because the number of digits needed for these messages are far less than the standard 15 characters, a number of question marks are filling the

space.

There is apparently no standard layout for the time stamp message as several variations appear. They always start with =99. Despite the differences, the sequence of the items is the same: =99, time, id.

The variations:

```
=99?1312???????  
=992156??0?????  
=990030??6?????  
=99?1310???8???  
=99?0056?9?????
```

Although it is not confirmed yet, I think that the codes (0, 6, 8, 9) represent the four regional PVO head quarters; St.Petersburg, Chita, Khabarovsk, and Rostov-on-Don. The one without a code might be Moscow.

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★ OTHER MODES ★

::: S28

A Buzzer oddity was noticed by Jan Michalski on 3 September at 2120 UTC.

The station emitted a background audio noise stronger than the channel marker itself. Short (~0.3-0.5 sec.) transmission breaks occurred quite often. The problem was most probably caused by a malfunction of the transmitter or the audio feeder line.

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::: X06

The Mazielka [X06] popped up a number of frequencies in September:

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7691 kHz at 1830 UTC  
10193 kHz at 1800 UTC  
13556 kHz at 0030 UTC  
14815 kHz at 1330 UTC  
14871 kHz at 1455 UTC  
17454 kHz at 1645 UTC
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::: XP / XPH

September schedules:

XP Tue /Thu schedules

2000 UTC 12081 kHz, 2020 UTC 10716 kHz, 2040 UTC 9364 kHz

XP Tue / Fri schedules

0600 UTC 11204 kHz, 0620 UTC 12504 kHz, 0640 UTC 12904 kHz

XP Fri schedules

2010 UTC 13938 kHz, 2030 UTC 12226 kHz, 2050 UTC 10876 kHz

XPH Tue / Sat schedules

1830 UTC 13368 kHz, 1850 UTC 11633 kHz, 1910 UTC 10143 kHz

Samples:

- XP, 13 September, 0600/11204, 0620/12504, 0640/13904.
Schedule: 259. Decode Key: 7836. Group Count: 77.

259 259 259 1

07836 00077 78386 29808 37363 90399 47843 42648 34524 09012
31436 76635 55863 86481 33636 38982 09671 89592 66015 22508
01094 24024 74052 29200 17077 36253 39884 05388 05402 33581
76599 65002 66906 34341 96853 30716 53295 49409 80425 73778
08392 86226 12095 69551 11576 87377 75752 53273 87640 88777
31771 75680 08471 94090 25947 40588 94624 22020 17178 69618
81657 23380 99473 10876 07158 26453 53612 07660 80704 48513
55925 05073 35098 98877 85053 73837 45396 65047 76919

- XP, 13 September, 2010/13938, 2030/12228.
Schedule: 928. NUL message.

928 928 928 000

- XP, 20 September, 2010/13938, 2030/12228, 2050/10875
Schedule: 928. Decode Key: 3359. Group Count: 127.

928 928 928 1

03359 00127 13342 48586 43574 55906 00186 90459 66098 59581
16661 93679 32307 45472 36900 69857 21968 08936 29484 97321
04442 67665 19066 61395 55249 32085 04475 12646 56685 56729
71325 79048 98078 33237 00152 13927 60780 32589 04409 71740
54867 64048 81067 18245 27029 47069 16214 07898 32200 21386
62790 52747 80840 51286 69764 48261 01147 27176 59700 13420
98907 32209 71591 62080 36150 17899 32744 54128 77021 99347

16223 01899 75322 87990 17961 51120 20207 89894 30121 77362
54381 11644 00998 98684 88581 02610 37658 75957 16679 39116
62838 58494 53174 22992 38932 41511 98040 35056 03470 32965
58109 61773 04581 40339 76859 33794 60262 13443 71451 13195
13299 42989 45287 33329 09020 75400 88351 97325 78073 96337
84652 12599 29406 68211 12761 50220 15183 34837 97275

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::: XSL / XSW / XM

The Slot Machine [XSL] was good audible during various evenings here in Holland. I copied it on 6417, 6445, 8588, 8703.5 and 8313 kHz.

The Whales [XM] almost daily on 5435 kHz.

Squeaky Wheel [XSW], although weak, daily audible on 3828.9 kHz

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::: JAMMERS

The number of jammer reports were amazing this month. Especially the Chinese music jammers seem to be a popular target for jammer hunters. Not only the Chinese were active but others like the bubble and wobble jammers from Iran Iraq Cuba N.Korea and reportedly also from Kyrgyzstan and Chechenya were heard.

1053	1386	3481	4120	4450	4557	5660	5925	6010
6030	6140	6348	6810	6830	6995	7070	7150	7160
7190	7200	7310	7405	7470	7480	7515	7530	9330
9355	9445	9450	9455	9510	9545	9675	9745	9805
9905	9915	9925	9940	9945	9955	10250	11510	11520
11665	11700	11750	11760	11785	11795	11855	11920	11935
11945	11955	12060	12065	13420	13430	13440	13460	13470
13480	13625	13670	13675	13680	13690	13775	15225	15280
15330	15510	15515	15625	15645	15665	15670	15680	15680
15690	15690	15770	17510	17520	17525	17615	17640	17695
17720	21540	21570	21650	21675	21690	21705	23432	kHz

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★ INTELLIGENCE NEWS ★

::: ISRAEL

Meir Dagan is the new head of Israel's Mossad. Dagan is a former general and counter terrorism expert.

His appointment by Sharon last November to head an Israeli peace negotiating team for talks with the USA drew criticism from Israeli politicians. Dagan was also active in a group that opposes returning the Golan Heights to Syria.

Ephraim Halevy, the leaving Mossad chief and one of Sharon's advisers on security and diplomatic issues, is to head the country's National Security Council.

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::: CUBA

Agence France-Presse reports that the Lourdes facility is being rebuild. "It's going to be the country's most modern university, and it's going to have 2000 resident students who will study and learn to create computer programs and systems that will then be marketed," says an anonymous source to AFP.

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* LOGS SECTION *

3025.0	M08a	ID 46542 42642 15412 CW 14-09-02 Sat 1000 (MS)
3025.0	M08a	(too weak to copy) ID 18671 ----- CW 28-09-02 Sat 1000 (MS)
3195	MX	Channel marker "R", Izhevsk CW 07-09-02 Sat 2003 (AB)
3244.0	M08a	ID ----- 19231 ----- (in progress) CW 14-09-02 Sat
3244.0	M08a	(too weak to copy) ID 18092 ----- CW 28-09-02 Sat 1000 (MS)
3292.0	V02a	Heavy QRN; barely audible AM 10-09-02 Tue 0200 (BM)
3292.0	V02a	A 46531 16311 60743 AM 10-09-02 Tue 0400 (BM)
3335.7	MX	Channel marker "L", St. Petersburg CW 07-09-02 Sat 2000 (AB)
3339.6	MX	Channel marker "L", St. Petersburg CW 1702
3345	MX	Channel marker "L", St. Petersburg CW 1620
3389.0	V02A	AM 10-09-02 Tue 0100 (CS)
3772	MX	Channel marker "P", Kaliningrad CW 0330
3828.9	XSW	Squeaky Wheel AM 07-09-02 Sat 2000 (AB)
3926.0	M08a	(in progress - missed callup) CW 01-09-02 Sun 1000
3926.0	M08a	CW 05-09-02 Thu 0500 (BM)
3926.0	M08a	ID 33541 17613 91961 CW 05-09-02 Thu 0500 (MS)
3926.0	M08a	ID 45581 41972 06301 CW 22-09-02 Sun 1000 (MS)
3926.0	M08a	ID 18033 17473 56933 CW 29-09-02 Sun 1000 (MS)
3937	M13b	323 323 323 000 CW 15-09-02 Sun 2100 (AB)
3937	M13B	323 CW 15-09-02 Sun 2100 (HFD)
4015	E10	VLB 30 AM 26-09-02 Thu 2000 (AB)

4015 S11a Just caught the end of the transmission USB 04-09-02
 Wed 2104 (AB)
 4016 S11a 971/00 USB 18-09-02 Wed 2100 (AB)
 4016.0 M08a ID 58602 87273 12622 CW 02-09-02 Mon 1000 (MS)
 4016.0 M08a ID 44192 53061 52771 (rpt of 0200z on 5419m) CW
 07-09-02 Sat 0300 (MS)
 4016.0 M08a ID 68661 80501 99541 (rpt of 0200z on 5419m) CW
 21-09-02 Sat 0300 (MS)
 4016.0 M08a ID 14842 05591 36431 (rpt of 0200z on 5419m) CW
 28-09-02 Sat 0300 (MS)
 4017.0 V02a USB 09-09-02 Mon 0300 (MIN)
 4017.0 V02a in prog; M8a loud in bg AM 10-09-02 Tue 0316 (BM)
 4026 M08 DGI CW CW 02-09-02 Mon 0301 (TPA)
 4026 M08 DGI CW CW 19-09-02 Thu 0300 (TPA)
 4027.0 M08a ID 09691 38163 44012 CW 03-09-02 Tue 0300 (MS)
 4027.0 M08a (in progress - missed callup) CW 05-09-02 Thu 0420
 4027.0 M08a ID 46472 98922 59402 CW 07-09-02 Sat 1100 (MS)
 4027.0 M08a ID ----- (QRM Blocking station -
 uncopiable) CW 14-09-02 Sat 1100 (MS)
 4027.0 M08a ID 18092 56932 17472 (rpt of 1000z on 3244m) CW
 28-09-02 Sat 1100 (MS)
 4028.0 V02a In progress ----- 14212 USB 13-09-02 Fri 0003
 4028.0 V02a In prog AM 13-09-02 Fri 0504 (BM)
 4028.0 V02a A 43533 16312 14212 AM 14-09-02 Sat 0300 (BM)
 4028.0 V02a (in progress - missed callup - YL/SS) AM 28-09-02 Sat
 0300 (MS)
 4035.0 V02a ID ----- (in progress) AM 14-09-02 Sat
 4035.0 V02a In prog AM 14-09-02 Sat 1000 (BM)
 4173.0 M08a ID 58101 87272 12621 (should be rpt of 1000z on 3926m)
 CW 01-09-02 Sun 1100 (MS)
 4173.0 M08a (in progress - missed callup) CW 03-09-02 Tue 1100
 4173.0 M08a ID 87232 27092 64243 CW 04-09-02 Wed 1100 (MS)
 4173.0 M08a ID 46473 59403 98923 CW 08-09-02 Sun 1100 (MS)
 4173.0 M08a ID 60532 32791 19232 CW 15-09-02 Sun 1100 (MS)
 4173.0 M08a ID 45581 41972 06301 (rpt of 1000z on 3926m) CW
 22-09-02 Sun 1100 (MS)
 4173.0 M08a ID 18033 17473 56933 (rpt of 1000z on 3926m) CW
 29-09-02 Sun 1100 (MS)
 4328.0 M08a ID 58602 87273 12622 (rpt of 1000z on 4016m) CW
 02-09-02 Mon 1100 (MS)
 4328.0 M08a ID 41481 16271 29551 CW 09-09-02 Mon 1100 (MS)
 4329.0 M08a (in progress - missed callup - very weak) CW 01-09-02
 Sun 1100 (MS)
 4329.0 M08a ID 79951 02101 70342 CW 08-09-02 Sun 1100 (MS)
 4329.0 M08a ID ----- (in progress - missed callup) CW
 15-09-02 Sun 1100 (MS)
 4329.0 M08a ID 79953 23561 62661 CW 22-09-02 Sun 1100 (MS)
 4329.0 M08a ID 59841 34091 62662 CW 29-09-02 Sun 1100 (MS)

4329.0 V02a A 43532 87653 64302 AM 11-09-02 Wed 0400 (BM)
4360 E10 CIO 30 AM 26-09-02 Thu 2000 (AB)
4360 E10 CIO 10 AM 26-09-02 Thu 2130 (AB)
4365 M13B 610 CW 19-09-02 Thu 2100 (HFD)
4418 E10 FDU M AM 06-09-02 Fri 2214 (AB)
4454.0 S21 "454 346 37 43394 ... 000" LSB 05-09-02 Thu 1842 (AF)
4478.0 M08a ID 58603 ----- 87231 CW 03-09-02 Tue 1100 (MS)
4478.0 M08a ID 93552 ----- (in progress) CW 05-09-02 Thu
4478.0 M08a ID 46541 82072 15412 CW 07-09-02 Sat 1100 (MS)
4478.0 M08a ID 46542 42642 15412 (rpt of 1000z on 3025m) CW
14-09-02 Sat 1100 (MS)
4478.0 M08a ID 18671 36482 03532 (rpt of 1000z on 3025m) CW
28-09-02 Sat 1100 (MS)
4479 V02 DGI 30072-02971-89721 AM 03-09-02 Tue 0303 (TPA)
4479.0 V02a A 69641 17701 78793 AM 13-09-02 Fri 0400 (BM)
4485.0 M10 (in progress - new freq for September. // freq on
6758m) CW 02-09-02 Mon 0223 (MS)
4485.0 M10 (in progress - new freq for September. // freq on
6758m) CW 02-09-02 Mon 0223 (MS)
4485.0 M10 (in progress - new freq for September.) CW 02-09-02
Mon 0407 (MS)
4485.0 M10 555x3 241x3 30 214x3 41 (// freq on 6758m) CW 03-09-02
Tue 0210 (MS)
4485.0 M10 555x3 141x3 30 214x3 41 (R5) (// freq on 6758m) CW
04-09-02 Wed 0210 (MS)
4485.0 M10 555x3 141x3 30 214x3 41 (R5) (// freq on 6758m) CW
05-09-02 Thu 0210 (MS)
4485.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 6763m - very
weak on this CW 06-09-02 Fri 0410 (MS)
4485.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 6758m) CW
07-09-02 Sat 0210 (MS)
4485.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 6763m) CW
07-09-02 Sat 0410 (MS)
4485.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 6762m) CW
09-09-02 Mon 0410 (MS)
4485.0 M10 555x3 288x3 19 430x3 36 (R5) (// freq on 6763m) CW
15-09-02 Sun 0410 (MS)
4485.0 M10 555x3 288x3 19 430x3 36 (// freq on 6758m) CW 19-09-02
Thu 0210 (MS)
4485.0 M10 555x3 887x3 28 982x3 34 (R5) (// freq on 6763m) CW
21-09-02 Sat 0410 (MS)
4485.0 M10 555x3 887x3 28 982x3 34 (R5) (// freq on 6758m) CW
22-09-02 Sun 0210 (MS)
4485.0 M10 555x3 887x3 28 982x3 34 (R5) (// freq on 6763m) CW
22-09-02 Sun 0410 (MS)
4485.0 M10 555x3 317x3 19 316x3 24 (R5) (// freq on 6758m) CW
28-09-02 Sat 0210 (MS)
4485.0 M10 555x3 317x3 19 316x3 24 (R5) (// freq on 6763m) CW

28-09-02 Sat 0410 (MS)
 4485.0 M10 555x3 317x3 19 316x3 24 (R5) (// freq on 6758m) CW
 29-09-02 Sun 0210 (MS)
 4506.0 M08a ID 92572 44341 64042 (rpt of 0200z on 5758m) CW
 01-09-02 Sun 0300 (MS)
 4506.0 M08a ID 44191 72601 64043 (rpt of 0300z on 5758m) CW
 06-09-02 Fri 0400 (MS)
 4506.0 M08a ID 44193 72603 52772 (rpt of 0200z on 5758m) CW
 08-09-02 Sun 0300 (MS)
 4506.0 M08a ID 70411 52862 39282 (rpt of 0200z on 5758m) CW
 15-09-02 Sun 0300 (MS)
 4506.0 M08a ID 68662 19041 99542 (rpt of 0200z on 5758m) CW
 22-09-02 Sun 0300 (MS)
 4506.0 M08a ID 14843 30333 36432 (rpt of 0200z on 5758m) CW
 29-09-02 Sun 0300 (MS)
 4506.0 M08a In prog; distorted CW 29-09-02 Sun 0305 (BM)
 4510 S06c 11203 ends suddenly USB 13-09-02 Fri 1950 (AB)
 4535 M13 378 CW 21-09-02 Sat 2100 (HFD)
 4535 M13 id 378 CW 21-09-02 Sat 2100 (AB)
 4536 M13 id 378 CW 07-09-02 Sat 2100 (AB)
 4536 M13 id 378 CW 23-09-02 Mon 2100 (AB)
 4555 M45 555-346/37=43394 4555 weak 4955 strong //4955 CW
 03-09-02 Tue 1802 (HFD)
 4557.9 MX Cluster beacon "S", Arkhangelsk CW 21-09-02 Sat 2207
 4558 MX Cluster beacon "C", Moscow CW 18-09-02 Wed 2152 (AB)
 4596.0 M08a In prog CW 13-09-02 Fri 0403 (BM)
 4760 G04 75203 40774 33gr AM 05-09-02 Thu 2000 (HFD)
 4760 G04 in progress AM 05-09-02 Thu 2003 (AB)
 4760.0 G04 "75203 40774 ..." AM 05-09-02 Thu 2000 (AF)
 4854 S21 454-346/37=43394 AM 03-09-02 Tue 1842 (HFD)
 4854.0 S21 "454 346 37 43394 ..." AM 03-09-02 Tue 1842 (AF)
 4854.0 S21 LSB 10-09-02 Tue 1842 (AF)
 4860 G04 75203 40774 33gr AM 05-09-02 Thu 2030 (HFD)
 4860.0 G04 75203 USB 05-09-02 Thu 2030 (ASC)
 4860.0 G04 "75203 40774 ..." AM 05-09-02 Thu 2030 (AF)
 4880.0 E10 USB 23-09-02 Mon 0204 (JSI)
 4955 M45 555-346/37=43394 4555 weak 4955 strong //4555 CW
 03-09-02 Tue 1802 (HFD)
 5017 M01 463 CW 03-09-02 Tue 2000 (HFD)
 5090.0 S06c "11203" repeated again and again USB 03-09-02 Tue 1740
 (AF)
 5091 E10 FTJ AM 27-09-02 Fri 2105 (AB)
 5116.0 M08a (in progress - missed callup) CW 06-09-02 Fri 0200
 5116.0 M08a In progress missed callup CW 19-09-02 Thu 0214 (GWI)
 5116.0 M08a (in progress - missed callup) CW 20-09-02 Fri 0217
 5119 G22 186 AM 19-09-02 Thu 2200 (HFD)
 5134.0 M08a ID 59841 34091 62662 (rpt of 1100z on 4329m) CW
 29-09-02 Sun 1200 (MS)

5153.9 MX Cluster beacon "S", Arkhangelsk CW 13-09-02 Fri 2143
5154 MX Cluster beacon "C", Moscow CW 18-09-02 Wed 2152 (AB)
5165 V02 DGI 49421-39351-15165 AM 20-09-02 Fri 0200 (TPA)
5170 E10 VLB 30 AM 26-09-02 Thu 2000 (AB)
5220 M29 44-32/ 2 1000= 75482 CW 02-09-02 Mon 0800 (HFD)
5301.0 M10 555x3 332x3 41 381x3 37 (R5) (// freq on 8190m) CW
09-09-02 Mon 0450 (MS)
5320 M29 44-32/ 2 1000= 75482 CW 02-09-02 Mon 0830 (HFD)
5339 E10 CIO 30 AM 26-09-02 Thu 2000 (AB)
5339 E10 CIO 10 AM 26-09-02 Thu 2130 (AB)
5419.0 M08a In prog CW 05-09-02 Thu 0309 (BM)
5419.0 M08a ID 44192 53061 52771 CW 07-09-02 Sat 0200 (MS)
5419.0 M08a ID 68661 80501 99541 CW 21-09-02 Sat 0200 (MS)
5419.0 M08a ID 14842 05591 36431 CW 28-09-02 Sat 0200 (MS)
5422 E03 LP id 01842 USB 12-09-02 Thu 1700 (AB)
5435 E10 ART2 AM 27-09-02 Fri 2105 (AB)
5435 XM Whales 08-09-02 Sun 2208 (AB)
5435.0 E10 ART2 mixing in with XM(Backwards Music) and some ALE.
Busy Busy USB 28-09-02 Sat 0203 (JSI)
5435.0 E10 E10 with feedback/distortion over it. Unable to copy
id. USB 29-09-02 Sun 0133 (BM)
5435.0 E10 ART2 (XM blocking pretty badly) (YL/EE) AM 29-09-02
Sun 0200 (MS)
5435.0 E10 ART2 and XM, Bacwards Music, together again USB
29-09-02 Sun 0200 (JSI)
5435.0 E10 E10 and XM again USB 30-09-02 Mon 0006 (JSI)
5435.0 E10 ART Group 47? mixing with XM USB 30-09-02 Mon 0133
5435.0 E10 ART2 USB 30-09-02 Mon 0201 (JSI)
5435.0 XM (on for hours and hours) AM 29-09-02 Sun 0200 (MS)
5435.0 XW feeback/whale sounds USB 09-09-02 Mon 0253 (BM)
5442 G06 579 + 5FGs 000000 AM 13-09-02 Fri 1930 (AB)
5465 MX Channel marker "R", Izhevsk CW 27-09-02 Fri 2108 (AB)
5474 M01 463-197/13=48448 CW 03-09-02 Tue 1800 (HFD)
5520 M29 78-34/ 2 0800= 48638 CW 02-09-02 Mon 0600 (HFD)
5584 M13 id 411 CW 07-09-02 Sat 2030 (AB)
5584 M13 id 411 CW 21-09-02 Sat 2030 (AB)
5584 M13 id 411 CW 22-09-02 Sun 2030 (AB)
5584.0 M13 411 (R5) BT 241 21 BT CW 08-09-02 Sun 0430 (MS)
5584.0 M13 411 (R5) BT 241 21 BT CW 22-09-02 Sun 0430 (MS)
5620 M29 78-34/ 2 0800= 48638 CW 02-09-02 Mon 0630 (HFD)
5680.0 S06 "624 624 624 000000" USB 03-09-02 Tue 1800 (AF)
5746.0 E03 USB 17-09-02 Tue 1835 (BP3)
5758.0 M08a ID 92572 44341 64042 CW 01-09-02 Sun 0200 (MS)
5758.0 M08a ID 27122 20572 50763 CW 04-09-02 Wed 0200 (MS)
5758.0 M08a ID 44191 72601 64043 CW 06-09-02 Fri 0300 (MS)
5758.0 M08a ID 44193 72603 52772 CW 08-09-02 Sun 0200 (MS)
5758.0 M08a In prog CW 08-09-02 Sun 0204 (BM)
5758.0 M08a ID 70411 52862 39282 CW 15-09-02 Sun 0200 (MS)

5758.0 M08a ID 68662 19041 99542 CW 22-09-02 Sun 0200 (MS)
5758.0 M08a ID 14843 30333 36432 CW 29-09-02 Sun 0200 (MS)
5762 V02 DGI 37733-17632-03903 AM 13-09-02 Fri 0202 (TPA)
5762.0 V02a YL/SS (too weak and heavy QRM) AM 07-09-02 Sat 0200
5762.0 V02a A 37563 46141 19402; QRM from KAIJ AM 07-09-02 Sat
0400 (BM)
5762.0 V02a loud QRM; poss tx problem; could not copy AM 14-09-02
Sat 0200 (BM)
5762.0 V02a loud QRM; poss tx problem; could not copy AM 14-09-02
Sat 0400 (BM)
5762.0 V02a (in progress - missed callup - YL/SS) AM 28-09-02 Sat
0200 (MS)
5762.0 V02a (in progress - missed callup - YL/SS) AM 28-09-02 Sat
0400 (MS)
5800.0 V02a late w/o callups; M8a in bg; very faint; A _____
_____ 44___ AM 09-09-02 Mon 0308 (BM)
5833.0 V02a In prog AM 29-09-02 Sun 0518 (BM)
5876.0 M13d (in progress - music station blocking copy - was still
sending at 0 CW 07-09-02 Sat 0241 (MS)
5876.0 M13d 303 (R5) BT 271 480 BT CW 08-09-02 Sun 0230 (MS)
5876.0 M13d In prog; ran for hours CW 08-09-02 Sun 0315 (BM)
5883.0 V02a A 37563 46141 19402; repeat of 0400/5762 sked AM
07-09-02 Sat 0500 (BM)
5883.0 V02a (in progress - missed callup - YL/SS) AM 21-09-02 Sat
0500 (MS)
6282 M13 id 757 CW 20-09-02 Fri 2145 (AB)
6314.0 M23 IMI or IAI call followed by 4 one second tones USB
23-09-02 Mon 0450 (GWI)
6417 XSL Slot machine 23-09-02 Mon 1920 (AB)
6428 E10 ABC AM 01-09-02 Sun 1754 (AB)
6445 XSL Slot machine 23-09-02 Mon 1920 (AB)
6445.0 XSL USB 01-09-02 Sun 1456 (BM)
6480 M29 63-32/ 3 0800= 65615 CW 17-09-02 Tue 0600 (HFD)
6485 E03 MI6 too weak USB 01-09-02 Sun 2200 (TPA)
6485 E03 LP id 01842 USB 12-09-02 Thu 1700 (AB)
6508 M01 463 CW 22-09-02 Sun 0700 (HFD)
6535 M29 35-33/ 3 1005= 51828 CW 17-09-02 Tue 0805 (HFD)
6545 E18 259 Nr. 183 Group 20 57770... 000 background sound AM
12-09-02 Thu 2100 (HFD)
6580 M29 63-32/ 3 0800= 65615 CW 17-09-02 Tue 0630 (HFD)
6635 M29 35-33/ 3 1005= 51828 CW 17-09-02 Tue 0835 (HFD)
6758 M10 555*3 CW 05-09-02 Thu 0210 (TPA)
6758 M10 555*3 CW 13-09-02 Fri 0210 (TPA)
6758 M10 555*3 CW 14-09-02 Sat 0210 (TPA)
6758 M10 555*3 CW 15-09-02 Sun 0210 (TPA)
6758 M10 555*3 CW 18-09-02 Wed 0211 (TPA)
6758 M10 555*3 CW 19-09-02 Thu 0200 (TPA)
6758.0 M10 (in progress - new freq for September. // freq on

4485m) CW 02-09-02 Mon 0215 (MS)
 6758.0 M10 (in progress - new freq for September. // freq on
 4485m) CW 02-09-02 Mon 0215 (MS)
 6758.0 M10 555x3 241x3 30 214x3 41 (// freq on 4485m) CW 03-09-02
 Tue 0210 (MS)
 6758.0 M10 555x3 141x3 30 214x3 41 (R5) (// freq on 4485m) CW
 04-09-02 Wed 0210 (MS)
 6758.0 M10 First time heard after it switched frequencies.... old
 frequency wa CW 05-09-02 Thu 0210 (TPA)
 6758.0 M10 555x3 141x3 30 214x3 41 (R5) (// freq on 4485m) CW
 05-09-02 Thu 0210 (MS)
 6758.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 4485m) CW
 07-09-02 Sat 0210 (MS)
 6758.0 M10 555x3 949x3 40 602x3 19 (R5) CW 08-09-02 Sun 0210 (MS)
 6758.0 M10 555x3 288x3 19 430x3 36 (// freq on 4485m) CW 19-09-02
 Thu 0210 (MS)
 6758.0 M10 555x3 887x3 28 982x3 34 (R5) (// freq on 4485m) CW
 22-09-02 Sun 0210 (MS)
 6758.0 M10 555x3 317x3 19 316x3 24 (R5) (// freq on 4485m) CW
 28-09-02 Sat 0210 (MS)
 6758.0 M10 555x3 317x3 19 316x3 24 (R5) (// freq on 4485m) CW
 29-09-02 Sun 0210 (MS)
 6758.0 V02a A 10432 60742 36181; fast uno; repeat of 6855kHz/0300Z
 sked AM 09-09-02 Mon 0400 (BM)
 6762.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 4485m) CW
 09-09-02 Mon 0410 (MS)
 6763.0 M10 555x3 141x3 30 214x3 41 (R5) CW 01-09-02 Sun 0410 (MS)
 6763.0 M10 555x3 141x3 30 214x3 41 (R5) CW 05-09-02 Thu 0410 (MS)
 6763.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 4485m) CW
 06-09-02 Fri 0410 (MS)
 6763.0 M10 555x3 949x3 40 602x3 19 (R5) (// freq on 4485m) CW
 07-09-02 Sat 0410 (MS)
 6763.0 M10 555x3 949x3 40 602x3 19 (R5) (rpt of 0210z on 6758m)
 CW 08-09-02 Sun 0410 (MS)
 6763.0 M10 555x3 288x3 19 430x3 36 (R5) (// freq on 4485m) CW
 15-09-02 Sun 0410 (MS)
 6763.0 M10 555x3 887x3 28 982x3 34 (R5) (// freq on 4485m) CW
 21-09-02 Sat 0410 (MS)
 6763.0 M10 555x3 887x3 28 982x3 34 (R5) (// freq on 4485m) CW
 22-09-02 Sun 0410 (MS)
 6763.0 M10 555x3 317x3 19 316x3 24 (R5) (// freq on 4485m) CW
 28-09-02 Sat 0410 (MS)
 6767.0 M08a ID 44342 34681 92573 CW 01-09-02 Sun 1200 (MS)
 6767.0 M08a (in progress - too weak for copy.) CW 02-09-02 Mon
 6767.0 M08a ID 26741 35041 45911 CW 08-09-02 Sun 1200 (MS)
 6767.0 M08a ID 17641 17421 69471 CW 29-09-02 Sun 1200 (MS)
 6768.0 V02a (in progress - YL/SS) AM 09-09-02 Mon 0412 (MS)
 6768.0 V02a A 37733 17652 05903 AM 14-09-02 Sat 0100 (BM)

6768.0 V02a In process missed callup; loud hum in signal AM
20-09-02 Fri 0100 (GWI)
6768.0 V02a In progress USB 23-09-02 Mon 0435 (GWI)
6778.0 V02a In prog; very faint AM 10-09-02 Tue 0107 (BM)
6785.0 M08a ID ----- 72333 95663 (in progress - rpt of 1200z on
6855m) CW 04-09-02 Wed 1300 (MS)
6796.0 M08a ID 52862 38513 70411 CW 14-09-02 Sat 1200 (MS)
6796.0 M08a ID 19041 58243 68662 CW 21-09-02 Sat 1200 (MS)
6796.0 M08a (in progress - missed callup) CW 28-09-02 Sat 1200
6796.0 V02a Late start. A 48721 14211 58792 AM 12-09-02 Thu 0506
6825.0 M08a ID 72601 70281 44191 CW 05-09-02 Thu 1200 (MS)
6842.0 E10 USB 23-09-02 Mon 0209 (JSI)
6855 V02 DGI callups missed AM 01-09-02 Sun 0300 (TPA)
6855.0 M08a ID 27123 72333 95663 CW 04-09-02 Wed 1200 (MS)
6855.0 V02a late w/o callups. M8a in bg; fast uno; A ----- 60742
36181 AM 09-09-02 Mon 0307 (BM)
6866.0 M08a ID 72602 70282 41192 CW 06-09-02 Fri 1200 (MS)
6866.0 M08a ID 86461 07083 21323 CW 21-09-02 Sat 1300 (MS)
6866.0 M08a ID 30333 06353 14843 CW 28-09-02 Sat 1300 (MS)
6883 M13 254 CW 05-09-02 Thu 2100 (HFD)
6883 M13 254 CW 05-09-02 Thu 2100 (HFD)
6883 M13 id 254 CW 18-09-02 Wed 2100 (AB)
6883 M13 254 CW 19-09-02 Thu 2100 (HFD)
6883 M13 284 CW 21-09-02 Sat 2000 (HFD)
6883 M13 id 284 CW 21-09-02 Sat 2000 (AB)
6883.0 V02a A 42261 46142 19403 AM 14-09-02 Sat 0500 (BM)
6930 E10 VLB 30 AM 26-09-02 Thu 2000 (AB/JS)
6930.0 E10 strong signal, repeating V(ictor) L(ima) B(ravo) 3 0
over and over AM 26-09-02 Thu 2125 (NY)
6930.0 E10 Victor Lima Bravo 2 AM 27-09-02 Fri 2045 (NY)
6932.0 M08a ID 72603 70283 44193 CW 07-09-02 Sat 1300 (MS)
6932.0 M08a ID 19041 58243 68662 (rpt of 1200z on 6796m) CW
21-09-02 Sat 1300 (MS)
6950 E05 Counting Station. Id 221 USB 07-09-02 Sat 2100 (AB)
6950 E05 Counting Station. Id 246 USB 09-09-02 Mon 2100 (AB)
6950 E05 Counting Station in progress USB 13-09-02 Fri 2123
6950 E05 id 246 USB 14-09-02 Sat 2100 (AB)
6950 E05 id 246 USB 15-09-02 Sun 2100 (AB)
6950 E05 id 246 USB 16-09-02 Mon 2100 (AB)
6950 E05 id 228 count 213 USB 17-09-02 Tue 2100 (AB)
6950 E05 id 228 count 203 USB 18-09-02 Wed 2100 (AB)
6950 E05 id 228 count 203 USB 21-09-02 Sat 2100 (AB)
6950 E05 id 228 count 203 USB 23-09-02 Mon 2100 (AB)
6950 E05 id 273 USB 25-09-02 Wed 2100 (AB)
6950.0 E05 221 //7585, missed count but assume 133 USB 03-09-02
Tue 2100 (ASC)
6950.0 E05 221 //7585, missed count but assume 133 USB 03-09-02
Tue 2100 (ASC)

6950.0 E05 221 count 133 //7585 USB 05-09-02 Thu 2100 (ASC)
6950.0 E05 // 7585 USB 08-09-02 Sun 2100 (CS)
6950.0 E05 228 //7585 USB 17-09-02 Tue 2100 (ASC)
6950.0 E05 strong signal AM 24-09-02 Tue 2105 (NY)
6950.0 E05 ID 273 AM 26-09-02 Thu 2105 (NY)
6950.0 E05 273 count 166 //7585 AM 30-09-02 Mon 2100 (ASC)
6959 E03 LP id 88643 USB 12-09-02 Thu 1900 (AB)
6959 E03 LP id 48146 USB 12-09-02 Thu 2100 (AB)
6959 E03 LP id 88643 USB 13-09-02 Fri 2000 (AB)
6959.0 E03 45506 USB 02-09-02 Mon 2200 (ASC)
6959.0 E03 LINCOLNSHIRE POACHER with TFC for "79888". VERY good
signal! USB 30-09-02 Mon 2200 (BD)
6959.0 E03 79888 USB 30-09-02 Mon 2200 (ASC)
6960.0 E05 368 count 125 //9090 USB 02-09-02 Mon 2200 (ASC)
6960.0 E05 286 count 142 //7585 AM 30-09-02 Mon 2200 (ASC)
6970 E05 id 385 USB 14-09-02 Sat 2100 (AB)
6970 E05 id 317 count 201 USB 17-09-02 Tue 2100 (AB)
6970 E05 id 228 USB 20-09-02 Fri 2100 (AB)
6970 E05 id 432 count 195 USB 21-09-02 Sat 2100 (AB)
6970.0 E05 517 count 166 //8110 USB 03-09-02 Tue 2100 (ASC)
6970.0 E05 517 count 166 //8110 USB 03-09-02 Tue 2100 (ASC)
6970.0 E05 317 count 201 //8110 USB 17-09-02 Tue 2100 (ASC)
6982.0 M08a ID 44342 34681 92573 (rpt of 1200z on 6767m) CW
01-09-02 Sun 1300 (MS)
6982.0 M08a (in progress - late start) CW 02-09-02 Mon 1207 (MS)
6982.0 M08a ID 26741 35041 45911 (rpt of 1200z on 6767m) CW
08-09-02 Sun 1300 (MS)
6982.0 M08a (in progress - early start) CW 09-09-02 Mon 1200 (MS)
6982.0 M08a ID 17641 17421 69471 (rpt of 1200z on 6767m) CW
29-09-02 Sun 1300 (MS)
6986 E10 ART2 AM 27-09-02 Fri 2105 (AB)
7038.9 MX Cluster beacon "S", Arkhangel'sk CW 18-09-02 Wed 2152
7039 MX Cluster beacon "C", Moscow CW 18-09-02 Wed 2152 (AB)
7337 E03 LP. Id 52365 USB 01-09-02 Sun 1800 (AB)
7358 E10 FTJ AM 27-09-02 Fri 2105 (AB)
7426 M13 261 CW 02-09-02 Mon 1900 (HFD)
7426 M13 261 CW 02-09-02 Mon 2000 (HFD)
7426 M13 id 261 CW 16-09-02 Mon 1900 (AB)
7426 M13 261 CW 16-09-02 Mon 1900 (HFD)
7426 M13 261 CW 16-09-02 Mon 2000 (HFD)
7472.0 V02 V2 in prog; down at :10 AM 12-09-02 Thu 0609 (BM)
7500.0 M23 555 (R10) CW 09-09-02 Mon 0600 (MS)
7519.0 M08a ID 88603 21261 86911 CW 02-09-02 Mon 2200 (MS)
7519.0 M08a (in progress - too weak to copy) CW 09-09-02 Mon 2214
7519.0 M08a ID 54881 20662 54942 CW 16-09-02 Mon 2200 (MS)
7519.0 M08a ID 23522 65223 84133 CW 20-09-02 Fri 2200 (MS)
7526.0 M08a ID 31481 21262 86912 CW 03-09-02 Tue 2200 (MS)
7526.0 M08a ID 54882 20663 54943 CW 17-09-02 Tue 2200 (MS)

7555.0 V02a (RTTY blocks - uncopiable) YL/SS AM 22-09-02 Sun 0300 (MS)
7555.0 V02a Weak, odd noise interference AM 28-09-02 Sat 0300 (SK)
7555.0 V02a ID 17422 65803 95432 (YL/SS) (rpt of 0200z on 7887m) AM 29-09-02 Sun 0300 (MS)
7555.0 V02a in prog AM 29-09-02 Sun 0304 (BM)
7583.0 V02a (in progress - YL/SS) AM 02-09-02 Mon 1000 (MS)
7585 E05 Counting Station. Id 221 USB 07-09-02 Sat 2100 (AB)
7585 E05 Counting Station. Id 246 USB 09-09-02 Mon 2100 (AB)
7585 E05 Counting Station in progress USB 13-09-02 Fri 2123
7585 E05 id 246 USB 14-09-02 Sat 2100 (AB)
7585 E05 id 246 USB 15-09-02 Sun 2100 (AB)
7585 E05 id 246 USB 16-09-02 Mon 2100 (AB)
7585 E05 id 228 count 213 USB 17-09-02 Tue 2100 (AB)
7585 E05 id 228 count 203 USB 18-09-02 Wed 2100 (AB)
7585 E05 id 228 count 203 USB 21-09-02 Sat 2100 (AB)
7585 E05 id 228 count 203 USB 23-09-02 Mon 2100 (AB)
7585 E05 id 273 USB 25-09-02 Wed 2100 (AB)
7585.0 E05 221 //6950, missed count but assume 133 USB 03-09-02 Tue 2100 (ASC)
7585.0 E05 221 //6950, missed count but assume 133 USB 03-09-02 Tue 2100 (ASC)
7585.0 E05 221 count 133 //6950 USB 05-09-02 Thu 2100 (ASC)
7585.0 E05 // 6950 USB 08-09-02 Sun 2100 (CS)
7585.0 E05 228 //6950 USB 17-09-02 Tue 2100 (ASC)
7585.0 E05 273 count 166 //6950 AM 30-09-02 Mon 2100 (ASC)
7585.0 E05 286 count 142 //6960 AM 30-09-02 Mon 2200 (ASC)
7635 M13 id 417 CW 22-09-02 Sun 1900 (AB)
7636 M13 417 CW 08-09-02 Sun 1900 (HFD)
7636 M13 417 CW 09-09-02 Mon 1900 (HFD)
7636 M13 416 CW 22-09-02 Sun 1900 (HFD)
7636 M13 417 CW 23-09-02 Mon 1900 (HFD)
7668.0 M16 VVVx3 de 8BYx3 219/317/354/538 CW 22-09-02 Sun 0354 (MS)
7810.0 E10 CI02 (YL/EE) AM 22-09-02 Sun 0350 (MS)
7811.0 E10 CI02 (YL/EE) AM 28-09-02 Sat 0245 (MS)
7811.0 E10 CI02 (YL/EE) AM 28-09-02 Sat 0345 (MS)
7812 E10 CIO 30 AM 26-09-02 Thu 2000 (AB/JS)
7812 E10 CIO 10 AM 26-09-02 Thu 2130 (AB)
7838 Unid Russian military station. 5LGs USB 16-09-02 Mon 2100 (AB)
7862.0 V02 Attention 962 08 (YL/SS) AM 08-09-02 Sun 1100 (MS)
7862.0 V02 A 172/04 AM 14-09-02 Sat 1000 (BM)
7862.0 V02a ID ----- (in progress - missed callup - YL/SS) AM 15-09-02 Sun 1100 (MS)
7887.0 V02a A 17422 65802 96432 AM 29-09-02 Sun 0200 (BM)
7887.0 V02a ID ----- 65803 ----- (in progress - missed all of callup) (YL/SS) AM 29-09-02 Sun 0200 (MS)

7960.0 M23 310 (R10) CW 06-09-02 Fri 0200 (MS)
7960.0 M23 310 (R10) CW 07-09-02 Sat 0200 (MS)
7960.0 M23 310 (R10) CW 15-09-02 Sun 0200 (MS)
7960.0 M23 310 (R10) CW 19-09-02 Thu 0200 (MS)
7960.0 M23 310 (R10) CW 20-09-02 Fri 0200 (MS)
7960.0 M23 310 (R10) CW 22-09-02 Sun 0200 (MS)
7960.0 M23 310 (R10) CW 28-09-02 Sat 0200 (MS)
7960.0 M23 310 (R10) CW 29-09-02 Sun 0200 (MS)
7960.0 M23 repeating 310 CW 29-09-02 Sun 0204 (BM)
7966 M13 448 CW 12-09-02 Thu 1500 (HFD)
7966 M13 448 CW 12-09-02 Thu 1700 (HFD)
8009.0 M08a ID 88603 21261 86911 (rpt of 2200z on 7519m) CW
02-09-02 Mon 2300 (MS)
8009.0 M08a ID 54881 20662 54942 (rpt of 2200z on 7519m) CW
16-09-02 Mon 2300 (MS)
8009.0 M08a ID 23521 65222 84132 CW 19-09-02 Thu 2200 (MS)
8011.0 M08a ID 63873 81832 83392 CW 04-09-02 Wed 0800 (MS)
8025.0 E03 weak/barely readable poss id as PA22 LOT QRM AM
20-09-02 Fri 0023 (JT)
8048.0 M? CW 02-09-02 Mon 0312 (MS)
8048.0 M? (in progress - possible M12, but not sure) CW 02-09-02
Mon 0312 (MS)
8080 E05 id 228 USB 20-09-02 Fri 2100 (AB)
8085 E05 221/133 44823 //9219 USB 03-09-02 Tue 1900 (HFD)
8085 E05 Counting Station. Id 246 USB 12-09-02 Thu 1900 (AB)
8085 E05 id 246 USB 14-09-02 Sat 1900 (AB)
8085 E05 in progress USB 15-09-02 Sun 1930 (AB)
8085 E05 id 246 USB 16-09-02 Mon 1900 (AB)
8085 E05 id 228 count 213 USB 17-09-02 Tue 1900 (AB)
8085 E05 id 228 count 203 USB 21-09-02 Sat 1900 (AB)
8085 E05 id 228 count 203 USB 22-09-02 Sun 1900 (AB)
8085 E05 id 228 count 203 USB 23-09-02 Mon 1900 (AB)
8085 E05 id 273 count 166 USB 30-09-02 Mon 1900 (AB)
8085.0 E05 221 count 133 //9219 USB 02-09-02 Mon 1900 (ASC)
8085.0 E05 221 count 133 //9219 USB 03-09-02 Tue 1900 (ASC)
8085.0 E05 221 count 133 //9219 USB 03-09-02 Tue 1900 (ASC)
8096.0 M08a (in progress) ID ----- 20651 89873 (rpt of 0424z on
9330m) CW 02-09-02 Mon 0500 (MS)
8096.0 M08a ID 34173 78622 06241 CW 09-09-02 Mon 0500 (MS)
8096.0 M08a Good copy CW 23-09-02 Mon 0500 (GWI)
8097.0 V02a ID 79652 95142 37561 (YL/SS) USB 05-09-02 Thu 0500
8097.0 V02a Starts w/V2 523/07 07/52. Down at 0500; up as V2a 0505
A 79652 9514 AM 05-09-02 Thu 0500 (BM)
8097.0 V02a (in progress - missed callup - YL/SS) USB 05-09-02 Thu
0606 (MS)
8097.0 V02a In prog AM 12-09-02 Thu 0606 (BM)
8097.0 V02a starts late w/o callups AM 14-09-02 Sat 0601 (BM)
8097.0 V02a A 98291 32313 26462 AM 29-09-02 Sun 0600 (BM)

8103 E07 913/0 AM 06-09-02 Fri 0530 (HFD)
8103 E07 913 913 913 000 AM 13-09-02 Fri 0530 (AB)
8103.0 M22 4XZ CW 08-09-02 Sun 0114 (BM)
8103.0 M22 4XZ marker; faint CW 29-09-02 Sun 2211 (BM)
8110 E05 id 385 USB 14-09-02 Sat 2100 (AB)
8110 E05 id 317 count 201 USB 17-09-02 Tue 2100 (AB)
8110 E05 id 432 count 195 USB 21-09-02 Sat 2100 (AB)
8110.0 E05 517 count 166 //6970 USB 03-09-02 Tue 2100 (ASC)
8110.0 E05 517 count 166 //6970 USB 03-09-02 Tue 2100 (ASC)
8110.0 E05 317 count 201 //6970 USB 17-09-02 Tue 2100 (ASC)
8135.0 M08 Poor copy CW 20-09-02 Fri 2300 (GWI)
8135.0 M08a ID 31481 21262 86912 (rpt of 2200z on 7526m) CW
03-09-02 Tue 2300 (MS)
8135.0 M08a ID 54882 20663 54943 (rpt of 2200z on 7526m) CW
17-09-02 Tue 2300 (MS)
8135.0 M08a ID 23521 65222 84132 (rpt of 2200z sked on 8009m) CW
19-09-02 Thu 2300 (MS)
8135.0 M08a ID 23522 65223 84133 (rpt of 2200z on 7519m) CW
20-09-02 Fri 2300 (MS)
8136.0 M08a ID 39793 81902 78621 CW 07-09-02 Sat 1100 (MS)
8136.0 M08a ID ----- 87411 56272 CW 14-09-02 Sat 1100 (MS)
8136.0 M08a ID 77121 87413 32233 CW 21-09-02 Sat 1100 (MS)
8136.0 M08a ID 24433 62642 27531 CW 22-09-02 Sun 1000 (MS)
8136.0 M08a ID 77123 41462 46011 CW 28-09-02 Sat 1100 (MS)
8136.0 M08a ID 57761 95882 46012 CW 29-09-02 Sun 1000 (MS)
8164.0 M13 284 (R5) BT 216 20 BT CW 07-09-02 Sat 0400 (MS)
8164.0 M13 284 (R5) (too weak to copy) CW 21-09-02 Sat 0400 (MS)
8190 S17C 90036 AM 15-09-02 Sun 1250 (HFD)
8190 S17C 55020 AM 22-09-02 Sun 1250 (HFD)
8190 S17C 67023 AM 28-09-02 Sat 1250 (HFD)
8190 S17C 71041 AM 29-09-02 Sun 1250 (HFD)
8190.0 M10 555x3 746x3 22 638x3 37 (R5) CW 02-09-02 Mon 0450 (MS)
8190.0 M10 555x3 332x3 41 381x3 37 (R5) (// freq on 5301m) CW
09-09-02 Mon 0450 (MS)
8190.0 M10 Difficult copy. Guess as to Enigma ID CW 23-09-02 Mon
0502 (GWI)
8190.0 S17c USB 01-09-02 Sun 1250 (ASC)
8242.0 M13 272 (R5) (too weak for copy) CW 17-09-02 Tue 2100 (MS)
8253.0 V02 V2 in progress; down by :12 (normally V2 skeds are 20
mins long) AM 11-09-02 Wed 1006 (BM)
8300.0 V13 YL/CC 4fg x 2; in prog USB 02-09-02 Mon 1423 (BM)
8300.0 V13 In prog USB 13-09-02 Fri 1409 (BM)
8313 XSL Slot machine 23-09-02 Mon 1920 (AB)
8313.5 XSL faint; new freq? USB 10-09-02 Tue 1455 (BM)
8313.5 XSL USB 11-09-02 Wed 1530 (BM)
8313.5 XSL USB 13-09-02 Fri 1410 (BM)
8495 MX Cluster beacon "C", Moscow CW 18-09-02 Wed 2152 (AB)
8588 XSL Slot machine 23-09-02 Mon 1920 (AB)

8588.0 XSL USB 01-09-02 Sun 1453 (BM)
8588.0 XSL Japanese PSK system USB 02-09-02 Mon 1420 (BM)
8588.0 XSL USB 10-09-02 Tue 1457 (BM)
8588.0 XSL USB 11-09-02 Wed 1530 (BM)
8588.0 XSL USB 13-09-02 Fri 1410 (BM)
8703.5 XSL USB 01-09-02 Sun 1454 (BM)
8703.5 XSL Japanese PSK; barely audible USB 08-09-02 Sun 1519
8703.5 XSL USB 10-09-02 Tue 1456 (BM)
8703.5 XSL USB 11-09-02 Wed 1530 (BM)
8703.5 XSL USB 13-09-02 Fri 1410 (BM)
8703.5 XSL Slot machine 23-09-02 Mon 1920 (AB)
8975.0 V02 A 728/05 05/34 AM 12-09-02 Thu 1000 (BM)
8983.0 XW Whale sounds caused by camslant chesapeake problems
USB 07-09-02 Sat 1951 (BM)
9010.0 XW Open mic "whale" noises down at :43, link-11 tfc
starts :43 USB 03-09-02 Tue 0441 (BM)
9062.0 M08a ID 89872 65821 86973 (rpt of 0400z on 10235m) CW
01-09-02 Sun 0500 (MS)
9062.0 M08a (in progress - missed callup) CW 05-09-02 Thu 0424
9062.0 M08a ID 11693 34172 78621 (rpt of 0400z on 10235m) CW
08-09-02 Sun 0500 (MS)
9062.0 M08a (in progress - missed callup) CW 22-09-02 Sun 0500
9063.0 M08a ID 03492 26351 70461 CW 18-09-02 Wed 0700 (MS)
9063.0 V02a In prog; fast uno; probably V2a (need to record whole
sked) AM 11-09-02 Wed 0706 (BM)
9090 E05 CIA 368 USB 02-09-02 Mon 2200 (TPA)
9090 E05 CIA 368 USB 04-09-02 Wed 2205 (TPA)
9090 E05 CIA 286 USB 16-09-02 Mon 2206 (TPA)
9090 E05 CIA 286 USB 18-09-02 Wed 2200 (TPA)
9090.0 E05 368 count 125 //6960 USB 02-09-02 Mon 2200 (ASC)
9112.0 M08a ID 04001 17703 26513 CW 26-09-02 Thu 0700 (MS)
9152.0 M08a ID 39793 81902 78621 (rpt of 1100z on 8136m) CW
07-09-02 Sat 1200 (MS)
9152.0 M08a ID 16062 87411 56272 (rpt of 1100z on 8136m) CW
14-09-02 Sat 1200 (MS)
9152.0 M08a ID 77121 87413 32233 (rpt of 1100z on 8136m) CW
21-09-02 Sat 1200 (MS)
9152.0 M08a ID 77123 41462 46011 (rpt of 1100z on 8136m) CW
28-09-02 Sat 1200 (MS)
9153.0 M08a ID 18361 20652 56263 CW 02-09-02 Mon 1000 (MS)
9153.0 V02a A 60741 95783 24512 AM 07-09-02 Sat 0700 (BM)
9153.0 V02a A 07012 28203 65101 AM 12-09-02 Thu 0700 (BM)
9153.0 V02a A 92601 32311 65103; fast cinco AM 14-09-02 Sat 0700
9160.0 M23 555 (R10) (signal very weak) CW 19-09-02 Thu 2030 (MS)
9160.0 m23 555 (R10) CW 21-09-02 Sat 2030 (MS)
9160.0 M23 sent 555 555 555; down by :40. Tentative ID as M23 CW
29-09-02 Sun 0535 (BM)
9219 E05 221/133 44823 //xp085 USB 03-09-02 Tue 1900 (HFD)

9219 E05 id 246 USB 14-09-02 Sat 1900 (AB)
 9219 E05 in progress USB 15-09-02 Sun 1930 (AB)
 9219 E05 id 246 USB 16-09-02 Mon 1900 (AB)
 9219 E05 id 228 count 213 USB 17-09-02 Tue 1900 (AB)
 9219 E05 id 228 count 203 USB 21-09-02 Sat 1900 (AB)
 9219 E05 id 228 count 203 USB 22-09-02 Sun 1900 (AB)
 9219 E05 id 228 count 203 USB 23-09-02 Mon 1900 (AB)
 9219 E05 id 273 count 166 USB 30-09-02 Mon 1900 (AB)
 9219.0 E05 221 count 133 //8085 USB 02-09-02 Mon 1900 (ASC)
 9219.0 E05 221 count 133 //8085 USB 03-09-02 Tue 1900 (ASC)
 9219.0 E05 221 count 133 //8085 USB 03-09-02 Tue 1900 (ASC)
 9230.0 V02a Weak, readable. AM 04-09-02 Wed 0200 (SK)
 9238.0 M08a ID 78633 95231 10061 CW 02-09-02 Mon 0900 (MS)
 9238.0 M08a ID 24633 46253 25373 CW 16-09-02 Mon 0700 (MS)
 9238.0 M08a (in progress - missed callup) CW 27-09-02 Fri 0700
 9238.0 M08a ID 57761 95882 46012 (rpt of 1000z on 8136m) CW
 29-09-02 Sun 1100 (MS)
 9239.0 M08a ID 24433 62642 27531 (rpt of 1000z on 8136m) CW
 22-09-02 Sun 1100 (MS)
 9251 E03 LP. Id 52365 USB 01-09-02 Sun 1800 (AB)
 9251 E03 MI6 48146 USB 05-09-02 Wed 2100 (TPA)
 9251 E03 MI6 48146 USB 06-09-02 Fri 2200 (TPA)
 9251 E03 LP id 48146 USB 12-09-02 Thu 2100 (AB)
 9251 E03 MI6 16451 USB 17-09-02 Tue 2100 (TPA)
 9251 E03 MI6 16451 USB 18-09-02 Wed 2200 (TPA)
 9251 E03 MI6 62690 USB 20-09-02 Fri 2206 (TPA)
 9262.0 M13 746 (R5) BT 221 20 BT (serial #might have been 232,
 but signal fade CW 16-09-02 Mon 2120 (MS)
 9264.0 M13 746 (R5) BT 221 20 BT CW 02-09-02 Mon 2120 (MS)
 9323.0 M08a ID 44631 98702 74273 CW 14-09-02 Sat 1000 (MS)
 9323.0 M08a ID 60523 24053 32231 CW 19-09-02 Thu 1000 (MS)
 9323.0 M08a ID 76111 49413 50543 CW 28-09-02 Sat 1000 (MS)
 9323.0 M08a ID 92333 73141 36731 CW 29-09-02 Sun 0900 (MS)
 9323.0 V02a In prog; loud M8a mixing in bg AM 12-09-02 Thu 0406
 9324.0 M08a ID 79842 ----- (in progress) CW 05-09-02 Thu
 9324.0 V02a M8a IMGUN MMUNA GRUAA in V2a sked; down at 0405; V2a
 w/o callups at CW 05-09-02 Thu 0400 (BM)
 9329.0 M08a In prog CW 11-09-02 Wed 0403 (BM)
 9330.0 M08a (in progress - missed callup - early start) CW
 01-09-02 Sun 1200 (MS)
 9330.0 M08a (in progress) ID ----- 89873 CW 02-09-02 Mon
 9330.0 M08a (in progress - late start) CW 02-09-02 Mon 1208 (MS)
 9330.0 M08a ID 97551 97492 87222 CW 06-09-02 Fri 1200 (MS)
 9330.0 M08a ID 34171 21693 75123 (rpt of 0400z on 10125m) CW
 07-09-02 Sat 0500 (MS)
 9330.0 M08a ID ----- 80762 05381 (in progress - rpt of 0400z on
 10125m) CW 21-09-02 Sat 0500 (MS)
 9330.0 M08a (xmtr garbled - uncopiable) CW 22-09-02 Sun 1200 (MS)

9330.0 M08a ID ----- TWDGD CW 29-09-02 Sun 0518 (BM)
 9330.0 V02a V2a in M8a sked with tx in CW mode. Up/down several
 times, they nev CW 09-09-02 Mon 0404 (BM)
 9331.0 M08a (in progress - late start and weak signal) CW 04-09-02
 Wed 1200 (MS)
 9331.0 M08a ID 97553 99531 78961 CW 08-09-02 Sun 1200 (MS)
 9331.0 M08a ID 98451 99592 78962 CW 09-09-02 Mon 1200 (MS)
 9331.0 M08a ID 31393 75161 36871 CW 29-09-02 Sun 1200 (MS)
 9365 XP msg AM 05-09-02 Thu 2040 (HFD)
 9365 XP msg AM 10-09-02 Tue 2040 (HFD)
 9725.0 V13 In prog under QRM USB 13-09-02 Fri 1409 (BM)
 9975 M13 517 CW 02-09-02 Mon 1900 (HFD)
 9975 M13 517 CW 02-09-02 Mon 2000 (HFD)
 9975 M13 517 CW 03-09-02 Tue 1900 (HFD)
 9975 M13 517 CW 03-09-02 Tue 2000 (HFD)
 9975 M13 517 CW 16-09-02 Mon 1900 (HFD)
 9975.0 M13 517 (R5) (too weak to copy) CW 16-09-02 Mon 2000 (MS)
 9976 M13 id 517 CW 16-09-02 Mon 1900 (AB)
 9976 M13 id 517 CW 17-09-02 Tue 1900 (AB)
 10046.0 M22 4XZ CW 02-09-02 Mon 0005 (BM)
 10046.0 M22 VVV DE 4XZ BT BT CW 09-09-02 Mon 0103 (BM)
 10046.0 M22 Difficult to copy CW 23-09-02 Mon 0437 (GWI)
 10046.0 M22 4XZ marker CW 29-09-02 Sun 2210 (BM)
 10119.0 M08a in prog CW 11-09-02 Wed 0500 (BM)
 10125 E11 232/00 AM 06-09-02 Fri 0800 (HFD)
 10125.0 E11 232 oblique 00 USB 05-09-02 Thu 0800 (ASC)
 10125.0 M08a (in progress) ----- 83363 CW 03-09-02 Tue 0323
 10125.0 M08a (in progress - missed callup) CW 07-09-02 Sat 0315
 10125.0 M08a ID 34171 21693 75123 CW 07-09-02 Sat 0400 (MS)
 10125.0 M08a DUAIA IWAND NARMD; very clean tx CW 07-09-02 Sat 0400
 (BM)
 10125.0 M08a ID 72212 96911 26982 CW 21-09-02 Sat 0300 (MS)
 10125.0 M08a ID ----- 05381 (in progress) CW 21-09-02 Sat
 10125.0 M08a ID 10212 29062 91572 CW 28-09-02 Sat 0300 (MS)
 10125.0 M08a ID 84131 80763 05383 CW 28-09-02 Sat 0400 (MS)
 10126.0 M08a ID 27662 03343 23693 CW 07-09-02 Sat 0900 (MS)
 10126.0 M08a In prog CW 10-09-02 Tue 0315 (BM)
 10126.0 M08a M8a in V2a sked? CW 14-09-02 Sat 0300 (BM)
 10126.0 M08a ID 48753 46241 00981 (rpt of 0800z on 11432m) CW
 14-09-02 Sat 0900 (MS)
 10126.0 M08a ID 69742 33333 50743 CW 19-09-02 Thu 0900 (MS)
 10126.0 M08a (signal is all distorted - cannot copy) CW 21-09-02
 Sat 0900 (MS)
 10193 X06 FAPSI. Selcal AM 07-09-02 Sat 1800 (AB)
 10235.0 M08a ID 89872 65821 86973 CW 01-09-02 Sun 0400 (MS)
 10235.0 M08a ID 16013 77173 93212 CW 06-09-02 Fri 0400 (MS)
 10235.0 M08a ID 11693 34172 78621 CW 08-09-02 Sun 0400 (MS)
 10235.0 M08a In prog; ----- TDUMD IGRND CW 10-09-02 Tue 0405 (BM)

10235.0 M08a In prog CW 13-09-02 Fri 0404 (BM)
10292 E07 462 462 462 1 197 136 197 136 5FGs 000 000 AM 02-09-02
Mon 2040 (AB)
10292 E07 462/1 197/13=48448 AM 02-09-02 Mon 2040 (HFD)
10292 E07 462 462 462 1 632 44 632 44 5FGs 000 000 AM 23-09-02
Mon 2040 (AB)
10292.0 E07 462 1 197 136 AM 02-09-02 Mon 2040 (ASC)
10292.0 E07 462 1 AM 30-09-02 Mon 2040 (ASC)
10334.0 M08a In prog _____ ARTAN IWANN; very clear tx CW 05-09-02
Thu 0305 (BM)
10344.0 M08a (in progress - missed callup) CW 05-09-02 Thu 0309
10344.0 M08a ID 01261 32911 05953 CW 19-09-02 Thu 0300 (MS)
10346.0 M08a ID 18362 20653 11633 CW 03-09-02 Tue 1100 (MS)
10445.0 M08a (in progress - missed callup - station having bad
mixing problem) CW 05-09-02 Thu 0310 (MS)
10445.0 M08a ID 72211 84331 26981 CW 19-09-02 Thu 0300 (MS)
10446 V02 DGI Callups missed AM 01-09-02 Sun 0301 (TPA)
10446 V02 DGI 30072-02971-89721 AM 03-09-02 Tue 0300 (TPA)
10446 V02 DGI 83213-42352-10772 USB 15-09-02 Sun 0300 (TPA)
10446 V02 DGI 74523-39231-21351 AM 17-09-02 Tue 0300 (TPA)
10446.0 M08a ID 38923 15973 81042 CW 05-09-02 Thu 1100 (MS)
10446.0 M08a M8a in prog CW 12-09-02 Thu 0312 (BM)
10446.0 V02a late w/o callups; M8a in bg; A _____ 17072 AM
09-09-02 Mon 0310 (BM)
10446.0 V02a A 60451 58791 09861; M8a mixing in bg AM 09-09-02 Mon
0500 (BM)
10527.0 E05 221 count 133 //13996 USB 02-09-02 Mon 0800 (ASC)
10527.0 E05 221 count 133 //13996 USB 05-09-02 Thu 0800 (ASC)
10527.0 E05 221 count 133 //13996 USB 06-09-02 Fri 0800 (ASC)
10566.0 M08a ID 80842 30903 57983 (should be rpt of 1200z on 9330m)
CW 01-09-02 Sun 1300 (MS)
10566.0 M08a ID 80843 42651 30161 CW 02-09-02 Mon 1300 (MS)
10566.0 M08a ID 16732 42653 30163 CW 04-09-02 Wed 1300 (MS)
10566.0 M08a ID 97551 97492 87222 (rpt of 1200z on 9330m) CW
06-09-02 Fri 1300 (MS)
10566.0 M08a ID 97553 99531 78961 (rpt of 1200z on 9331m) CW
08-09-02 Sun 1300 (MS)
10566.0 M08a ID ----- (in progress - missed callup) CW
15-09-02 Sun 1316 (MS)
10566.0 M08a ID 17842 00353 44373 CW 22-09-02 Sun 1300 (MS)
10566.0 M08a ID 31393 75161 36871 (rpt of 1200z on 9331m) CW
29-09-02 Sun 1300 (MS)
10625.0 M13 458 (R5) BT 216 21 BT CW 09-09-02 Mon 2200 (MS)
10714.0 M08a ID 24923 65823 57911 CW 03-09-02 Tue 0200 (MS)
10714.0 M08a RGDMA MDAWA WIMAN CW 10-09-02 Tue 0203 (BM)
10715.0 M08a ID ----- 28051 39792 (in progress - late start) CW
04-09-02 Wed 1100 (MS)
10716 XP msg AM 05-09-02 Thu 2020 (HFD)

10716 XP msg AM 10-09-02 Tue 2020 (HFD)
10716 XP nul msg AM 17-09-02 Tue 2020 (AB)
10716 XP null msg AM 19-09-02 Thu 2020 (AB)
10858.0 M08a ID 16733 97491 87221 CW 05-09-02 Thu 1200 (MS)
10858.0 M08a ID 97552 97493 87223 CW 07-09-02 Sat 1200 (MS)
10858.0 M08a ID 28343 36691 69731 CW 14-09-02 Sat 1200 (MS)
10858.0 M08a ID 17841 00352 44372 CW 21-09-02 Sat 1200 (MS)
10858.0 M08a ID 31392 55853 42763 CW 28-09-02 Sat 1200 (MS)
10866.0 in prog; rtty 50/850 w/5fg and 3-digit group cnt every
100 groups. RTTY 01-09-02 Sun 0301 (BM)
10870 M23 555 for 10 minutes CW 01-09-02 Sun 1730 (AB+AF)
10870.0 M23 555 (R10) CW 01-09-02 Sun 0130 (MS)
10870.0 M23 555 (R10) CW 15-09-02 Sun 0130 (MS)
10870.0 M23 555 (R10) (// freq on 13400m) CW 19-09-02 Thu 0130
10870.0 M23 555 (R10) (// freq on 13400m) CW 20-09-02 Fri 0130
10870.0 M23 555 (R10) (// freq on 13400m) CW 22-09-02 Sun 0130
10870.0 M23 555 (R10) (// freq on 13400m) CW 29-09-02 Sun 0130
10870.0 M23 repeating 555 CW 30-09-02 Mon 0130 (BM)
10871.9 MX Cluster beacon "S", Arkhangelsk CW 01-09-02 Sun 1752
10871.9 MX Cluster beacon "S", Arkhangelsk CW 18-09-02 Wed 0127
(TPA)
10872 MX Cluster beacon "C", Moscow CW 18-09-02 Wed 2152 (AB)
10875 XP 928 928 928 1. Key: 03359. Group count 127 AM
20-09-02 Fri 2050 (AB)
10875.0 V02 A 923/08 08/83; new sked; thanks vambo! AM 27-09-02
Fri 0500 (BM)
10876 XP msg AM 03-09-02 Tue 2050 (HFD)
10876 XP msg weak signal AM 10-09-02 Tue 2050 (HFD)
10898 569 in Russian AM 08-08-02 0100
10982 M13 261 CW 01-09-02 Sun 1900 (HFD)
10982 M13 261 CW 01-09-02 Sun 2000 (HFD)
10982 M13 261 CW 15-09-02 Sun 1900 (HFD)
10982.0 M13 261 (R5) (very weak) CW 01-09-02 Sun 1900 (MS)
10982.0 M13 261 (R5) (very weak) CW 01-09-02 Sun 2000 (MS)
11116 E11 Oblique 232/00 USB 13-09-02 Fri 0800 (AB)
11116.0 E11 232 oblique 00 USB 06-09-02 Fri 0800 (ASC)
11150.0 S06 in progress, only got the last ending nulls USB
03-09-02 Tue 1734 (AF)
11170.0 M23 310 (R10) (//freq on 14320M) CW 19-09-02 Thu 0100 (MS)
11170.0 M23 310 (R10) CW 21-09-02 Sat 0100 (MS)
11170.0 M23 310 (R10) (// freq on 14320m - this signal is very
weak) CW 21-09-02 Sat 1700 (MS)
11170.0 M23 310 (R10) CW 22-09-02 Sun 0100 (MS)
11170.0 M23 repeating 310 CW 29-09-02 Sun 0105 (BM)
11204 XP msg AM 06-09-02 Fri 0600 (HFD)
11204 XP 259 259 259 1 dk 7836 gc 77 AM 13-09-02 Fri 0600 (AB)
11215 M13 id 253 CW 19-09-02 Thu 2000 (AB)
11215 M13 253 CW 19-09-02 Thu 2000 (HFD)

11215.0 M13 253 (R5) BT 2.. 22 BT (signal very weak) CW 19-09-02
Thu 2000 (MS)
11215.0 M13 253 (R5) BT 219 22 BT CW 20-09-02 Fri 2000 (MS)
11432.0 M08a ID 48753 46241 00981 CW 14-09-02 Sat 0800 (MS)
11516 M13 714 CW 12-09-02 Thu 2000 (HFD)
11516.0 M13 714 (R5) BT 216 21 BT CW 26-09-02 Thu 2000 (MS)
11516.0 M13 714 (R5) BT 216 21 BT CW 27-09-02 Fri 2000 (MS)
11545 E03 MI6 34739 USB 02-09-02 Mon 2100 (TPA)
11545 E03 LP id 88643 USB 12-09-02 Thu 1900 (AB)
11545 E03 LP id 523?? Unreadble USB 13-09-02 Fri 1500 (AB)
11545.0 E03 45506 (R10) 5F traffic YL/EE USB 02-09-02 Mon 2200
11545.0 E03 faint USB 10-09-02 Tue 1600 (BM)
11565 E03 MI6 79888 USB 16-09-02 Mon 2208 (TPA)
11565 V02 DGI 93281-89722-03972 AM 05-09-02 Thu 0300 (TPA)
11565 V02 DGI 13551-21352-59232 AM 19-09-02 Thu (TPA)
11565.0 E10 ID=CI02 Off air at 0404 AM 27-09-02 Fri 0400 (BS2)
11565.0 E10 ID=EZI2 Off air at 0404 NOTE: please disregard
CI02 log AM 27-09-02 Fri 0400 (BS2)
11565.0 E10 EZI (YL/EE) AM 29-09-02 Sun 0300 (MS)
11565.0 M08a M8a in AM mode. Down at 0405; up 0406; down 0409; up
0410 with bad AM 05-09-02 Thu 0404 (BM)
11565.0 M08a (in progress)ID ----- 86442 CW 07-09-02 Sat 0417
11565.0 M08a mixing badly with another M8a; unable to copy CW
10-09-02 Tue 0400 (BM)
11565.0 M08a ID 72212 96911 26982 (rpt of 0300z on 10125m) CW
21-09-02 Sat 0400 (MS)
11565.0 M08a ID 10212 29062 91572 (rpt of 0300z on 10125m) CW
28-09-02 Sat 0400 (MS)
11566.0 V02a In prog; A ----- 67822 AM 13-09-02 Fri 0322
11625 E07 462/1 197/13=48448 AM 02-09-02 Mon 2020 (HFD)
11625 E07 462 462 462 1 197 136 197 136 5FGs 000 000 AM 02-09-02
Mon 2020 (AB)
11625 E07 462 462 462 1 632 44 632 44 5FGs 000 000. Burried
under BC station AM 23-09-02 Mon 2020 (AB)
11625.0 E07 AM 02-09-02 Mon 2020 (ASC)
11634 XPH 0-msg hard to hear AM 24-09-02 Tue 1859 (HFD)
12081 XP msg AM 05-09-02 Thu 2000 (HFD)
12081 XP msg AM 10-09-02 Tue 2000 (HFD)
12081 XP nul msg AM 17-09-02 Tue 2000 (AB)
12093.0 M08a ID 97552 97493 87223 (rpt of 1200z on 10858m) CW
07-09-02 Sat 1300 (MS)
12093.0 M08a ID 17841 00352 44372 (rpt of 1200z on 10858m) CW
21-09-02 Sat 1300 (MS)
12093.0 M08a ID 31392 55853 42763 (rpt of 1200z on 10858m) CW
28-09-02 Sat 1300 (MS)
12119.0 M08a In prog; QRM from adjacent digital stn CW 10-09-02 Tue
0108 (BM)
12119.0 M08a Transmission only lasted 3 mins. CW 24-09-02 Tue 0100

(GWI)

12210	E06	in progress AM 14-09-02 Sat 1404 (AF)
12215.0	V02a	In prog; A 71071 60462 87052; repeat of 0100/13436 sked AM 10-09-02 Tue 0201 (BM)
12215.0	V02a	In progress missed callup AM 19-09-02 Thu 0210 (GWI)
12228	XP	928 928 928 000 AM 13-09-02 Fri 2030 (AB)
12228	XP	928 928 928 1. Key: 03359. Group count 127 AM 20-09-02 Fri 2030 (AB)
12229	XP	msg AM 03-09-02 Tue 2030 (HFD)
12229	XP	msg weak signal AM 10-09-02 Tue 2030 (HFD)
12504	XP	msg AM 06-09-02 Fri 0620 (HFD)
12504	XP	259 259 259 1 dk 7836 gc 77 AM 13-09-02 Fri 0620 (AB)
12603	E03	LP. Id 52365 USB 01-09-02 Sun 1800 (AB)
12603	E03	MI6 52336 USB 02-09-02 Mon 2102 (TPA)
12603	E03	MI6 missed callups USB 03-09-02 Tue 2226 (TPA)
12603	E03	MI6 28115 USB 04-09-02 Wed 2105 (TPA)
12603	E03	MI6 28115 USB 05-09-02 Thu 2200 (TPA)
12603	E03	LP id 45506 USB 12-09-02 Thu 1600 (AB)
12603	E03	LP id 00308 USB 12-09-02 Thu 1800 (AB)
12603	E03	LP id 523?? Unreadable; severe interference USB 13-09-02 Fri 1500 (AB)
12603	E03	MI6 16451 USB 17-09-02 Tue 2100 (TPA)
12603	E03	MI6 16451 USB 18-09-02 Wed 2203 (TPA)
12984.0	M22	VVV DE 4XZ BT BT CW 09-09-02 Mon 0127 (BM)
13368	XPH	msg AM 17-09-02 Tue 1830 (HFD)
13368	XPH	nu1 msg AM 21-09-02 Sat 1830 (AB)
13368	XPH	0-msg AM 24-09-02 Tue 1830 (HFD)
13375.0	E03	Readable s4 USB 07-09-02 Sat 0016 (DmD)
13375.0	E03	faint USB 10-09-02 Tue 1600 (BM)
13381	V07	372/1 4519/15= 00155... 000 000 AM 17-09-02 Tue 0600 (HFD)
13400.0	M23	555 (R10) (// freq on 10870m) CW 19-09-02 Thu 0130
13400.0	M23	555 (R10) (// freq on 10870m) CW 20-09-02 Fri 0130
13400.0	M23	555 (R10) (// freq on 10870m) CW 22-09-02 Sun 0130
13400.0	M23	555 (R10) CW 22-09-02 Sun 1730 (MS)
13400.0	M23	555 (R10) (// freq on 10870m) CW 29-09-02 Sun 0130
13400.0	M23	repeating 555 CW 29-09-02 Sun 0134 (BM)
13400.0	M23	repeating 555 CW 30-09-02 Mon 0130 (BM)
13416	E07	462/1 197/13=48448 AM 02-09-02 Mon 2000 (HFD)
13416	E07	462 462 462 1 197 136 197 136 5FGs 000 000 AM 02-09-02 Mon 2000 (AB)
13416	E07	462 462 462 1 632 44 632 44 5FGs 000 000. Very weak AM 23-09-02 Mon 2000 (AB)
13416.0	E07	462 1 197 136 AM 02-09-02 Mon 2000 (ASC)
13416.0	E07	unreadable AM 30-09-02 Mon 2000 (ASC)
13436.0	V02a	Attencion 71071 60462 87052 ? hard to make out, carrier up before 0 AM 10-09-02 Tue 0100 (CS)
13436.0	V02a	In prog; A 71071 60462 87052 AM 10-09-02 Tue 0102 (BM)

13450.0 E05 221 count 133 //16090 USB 05-09-02 Thu 1200 (ASC)
13527.9 MX Cluster beacon "S", Arkhangelsk CW 01-09-02 Sun 1752
13528 MX Cluster beacon "C", Moscow CW 18-09-02 Wed 2152 (AB)
13904 XP msg AM 06-09-02 Fri 0640 (HFD)
13904 XP 259 259 259 1 dk 7836 gc 77 AM 13-09-02 Fri 0640 (AB)
13906 E05 id 143 cg 199 USB 15-09-02 Sun 1200 (AB)
13906 E05 CIA missed calls USB 15-09-02 Sun 1219 (TPA)
13906.0 E05 397 count 201 //15732 USB 01-09-02 Sun 1200 (ASC)
13910.0 E06 540 392 57 AM 01-09-02 Sun 1330 (ASC)
13938 XP msg AM 03-09-02 Tue 2010 (HFD)
13938 XP msg weak signal AM 10-09-02 Tue 2010 (HFD)
13938 XP 928 928 928 000 AM 13-09-02 Fri 2010 (AB)
13938 XP 928 928 928 1. Key: 03359. Group count 127 AM
20-09-02 Fri 2010 (AB)
13996.0 E05 221 count 133 //10527 USB 02-09-02 Mon 0800 (ASC)
13996.0 E05 221 count 133 //10527 USB 05-09-02 Thu 0800 (ASC)
13996.0 E05 221 count 133 //10527 USB 06-09-02 Fri 0800 (ASC)
14320.0 M23 Sending "310" (long zero) repeating every 6 sec. CW
06-09-02 Fri 0100 (MP)
14320.0 M23 Sending "310" each 6 seconds, good signal, DF NE from
Ottawa CAN, e CW 15-09-02 Sun 0100 (MP)
14320.0 M23 310 (R10) (//freq on 11170m) CW 19-09-02 Thu 0100 (MS)
14320.0 M23 310 (R10) (// freq on 11170m) CW 21-09-02 Sat 1700
14320.0 M23 310 (R10) CW 22-09-02 Sun 1700 (MS)
14487 E03 LP id 52365 USB 12-09-02 Thu 1400 (AB)
14487 E03 LP id 45506 USB 12-09-02 Thu 1600 (AB)
14487 E03 LP id 00308 USB 12-09-02 Thu 1800 (AB)
14487 E03 LP id 88648. Barely audible USB 13-09-02 Fri 1300 (AB)
14487 E03 LP id 28111. Weak USB 13-09-02 Fri 1400 (AB)
14487.0 E03 In prog; faint. USB 11-09-02 Wed 1533 (BM)
14739 E05 ip //16198 USB 15-09-02 Sun 1511 (HFD)
14739 E05 id 780 count 215 USB 22-09-02 Sun 1500 (AB)
14739.0 E05 325 count 215 //16198 USB 01-09-02 Sun 1500 (ASC)
14739.0 E05 In prog; 325 count 215; // 16198 USB 01-09-02 Sun 1507
14739.0 E05 in progress, //16198 USB 03-09-02 Tue 1540 (ASC)
14739.0 E05 in progress, //16198 USB 03-09-02 Tue 1540 (ASC)
14739.0 E05 In prog; faint; // 16198 USB 10-09-02 Tue 1512 (BM)
14750.0 M23 310 (R10) (Very weak signal) CW 15-09-02 Sun 1500 (MS)
14750.0 M23 000 (R10) CW 21-09-02 Sat 1530 (MS)
14750.0 M23 000 (R10) CW 22-09-02 Sun 1530 (MS)
14781 V07 372/1 4519/15= 00155... 000 000 AM 17-09-02 Tue 0620
(HFD)
14781 X06 FAPSI. Selcal 19-08-02 1455 (TI26)
14920.0 M23 000 (R10) CW 21-09-02 Sat 0330 (MS)
15682 E03 LP id 88648. Barely audible USB 13-09-02 Fri 1300 (AB)
15682 E03 MI6 callup missed USB 14-09-02 Sat 1211 (TPA)
15682 E03 MI6 88643 USB 14-09-02 Sat 1300 (TPA)
15682 E03 MI6 42239 USB 15-09-02 Sun 1306 (TPA)

15682.0 E03 barely audible USB 10-09-02 Tue 1605 (BM)
 15682.0 E03 E3 in prog w/Annoying Chinese Music Jammer providing
 QRM accompanie USB 13-09-02 Fri 1413 (BM)
 15732 E05 id 143 count 199 USB 15-09-02 Sun 1200 (AB)
 15732.0 E05 397 count 201 //13906 USB 01-09-02 Sun 1200 (ASC)
 15830.0 E06 540 392 57 AM 01-09-02 Sun 1230 (ASC)
 16084 E03 LP id 54368 USB 12-09-02 Thu 1500 (AB)
 16084 E03 LP id 28111. Weak USB 13-09-02 Fri 1400 (AB)
 16084 E03 MI6 88643 USB 14-09-02 Sat 1302 (TPA)
 16084.0 E03 strong; down at :45. 800 Hz tone from :46 to :51 USB
 11-09-02 Wed 1534 (BM)
 16084.0 E03 E3 in prog USB 13-09-02 Fri 1414 (BM)
 16090.0 E05 221 count 133 //13450 USB 05-09-02 Thu 1200 (ASC)
 16198 E05 ip //14739 USB 15-09-02 Sun 1511 (HFD)
 16198 E05 id 780 count 215 USB 22-09-02 Sun 1500 (AB)
 16198.0 E05 325 count 215 //14739 USB 01-09-02 Sun 1500 (ASC)
 16198.0 E05 // to 14739 - strong signal USB 01-09-02 Sun 1500
 16198.0 E05 In prog; 325 count 215 // 14739 USB 01-09-02 Sun 1507
 16198.0 E05 in progress, //14739 USB 03-09-02 Tue 1540 (ASC)
 16198.0 E05 in progress, //14739 USB 03-09-02 Tue 1540 (ASC)
 16198.0 E05 In prog; 325 count 215 ; // 14739 USB 10-09-02 Tue
 16198.0 E05 In prog; faint USB 11-09-02 Wed 1605 (BM)
 16281 V07 372/1 4519/15= 00155... 000 000 AM 17-09-02 Tue 0640
 (HFD)
 16331.9 MX Cluster beacon "S", Arkhangelsk CW 22-09-02 Sun 1516
 16332 MX Cluster beacon "C", Moscow CW 22-09-02 Sun 1516 (AB)
 17407.0 E10 ezi2 AM 01-09-02 Sun 1230 (ASC)
 18864 E04 callups missed USB 02-09-02 Mon 1308 (TPA)
 18864 E04 Cherry Ripe. Id 70807 //23461 kHz USB 12-09-02 Thu
 1300 (AB)
 18864 E04 Cherry Ripe in progress. Barely readable USB 13-09-02
 Fri 1100 (AB)
 18864 E04 Cherry Ripe. Id 12187 USB 13-09-02 Fri 1300 (AB)
 20047.9 MX Cluster beacon "S", Arkhangelsk CW 13-09-02 Fri 1111
 20048 MX Cluster beacon "C", Moscow CW 22-09-02 Sun 1515 (AB)
 23461 E04 Cherry Ripe. Id 70807 //18864 kHz USB 12-09-02 Thu
 1300 (AB)
 23461 E04 Cherry Ripe. Id 12187 USB 13-09-02 Fri 1300 (AB)

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